

ABSTRACT

A novel polyhydroxyalkanoate having a reactive functional group in a molecule and a method of producing the same; and a novel polyhydroxyalkanoate 5 having a new function obtained by chemically modifying the polyhydroxyalkanoate having a reactive functional group and a method of producing the same. A polyhydroxyalkanoate containing units having a carboxyl group, an amide group, and a sulfonic group 10 in a molecule is induced.